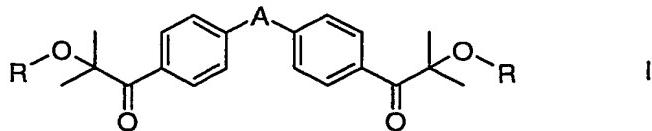


What is claimed is:

1. A photoinitiator of formula I



wherein

A is -O-, -CH₂- or -CH(CH₃)- or -C(CH₃)₂-, and

R is methyl or trimethylsilyl, and R may in addition be hydrogen when A is simultaneously the group -C(CH₃)₂-.

2. A photoinitiator according to claim 1 wherein A is -O-, -CH₂- or -CH(CH₃)- , and R is methyl.

3. A composition comprising

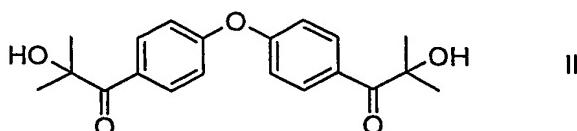
- (A) at least one ethylenically unsaturated compound,
- (B) a photoinitiator of formula I according to claim 1,
- (C) optionally further binders or additives,
- (D) optionally further photoinitiators or co-initiators.

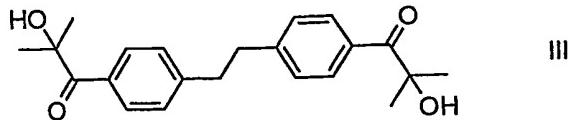
4. A composition comprising

- (A) an ethylenically unsaturated compound that contains at least one aminoacrylate,
- (B) a photoinitiator of formula I according to claim 1,
- (C) optionally further binders or additives,
- (D) optionally further photoinitiators or co-initiators.

5. A composition comprising

- (A) an ethylenically unsaturated compound that contains at least one aminoacrylate,
- (B) a photoinitiator of formula II or III





- (C) optionally further binders or additives,
- (D) optionally further photoinitiators or co-initiators.

6. A process for the production of a scratch-resistant durable surface, wherein a composition according to claim 3, claim 4 or claim 5 is applied to a support, and curing of the formulation is carried out either solely by irradiation with electromagnetic radiation of a wavelength ranging from 200 nm into the NIR or IR region, or by irradiation with electromagnetic radiation and prior, simultaneous and/or subsequent action of heat.

7. Use of a composition according to claim 3, claim 4 or claim 5 in the production of pigmented or unpigmented surface coatings, overprint coatings, formulations for printing inks, powder coatings, inkjet inks, fine layers (gel coats), composite materials or glass fibre cable coatings.

8. A substrate that has been coated on at least one surface with a composition according to claim 3, claim 4 or claim 5.